

Title (en)

METHOD AND DEVICE FOR STABILIZING PRECURSOR FIBERS OR FILMS FOR PRODUCING CARBON FIBERS OR FILMS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR STABILISIERUNG VON PRÄKURSORFASERN ODER -FOLIEN FÜR DIE HERSTELLUNG VON CARBONFASERN ODER -FOLIEN

Title (fr)

PROCÉDÉ ET DISPOSITIF DE STABILISATION DE FIBRES OU DE FILMS PRÉCURSEURS POUR LA FABRICATION DE FIBRES OU DE FILMS DE CARBONE

Publication

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Application

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Abstract (en)

[origin: WO2020074623A1] The invention relates to a method for stabilizing precursor fibers for producing carbon fibers. The method has the following steps: continuously introducing, guiding, and discharging precursor fibers into, through, and out of a processing chamber; adjusting a specified processing gas atmosphere, the composition of which differs from that of the surrounding air, in the at least one processing chamber, wherein the processing gas atmosphere contains at least one reactive component and/or a catalyst at a specified partial pressure; and heating the precursor fibers to at least one first temperature and maintaining the first temperature for a specified duration when the precursor fibers are located in the processing chamber.

IPC 8 full level

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